

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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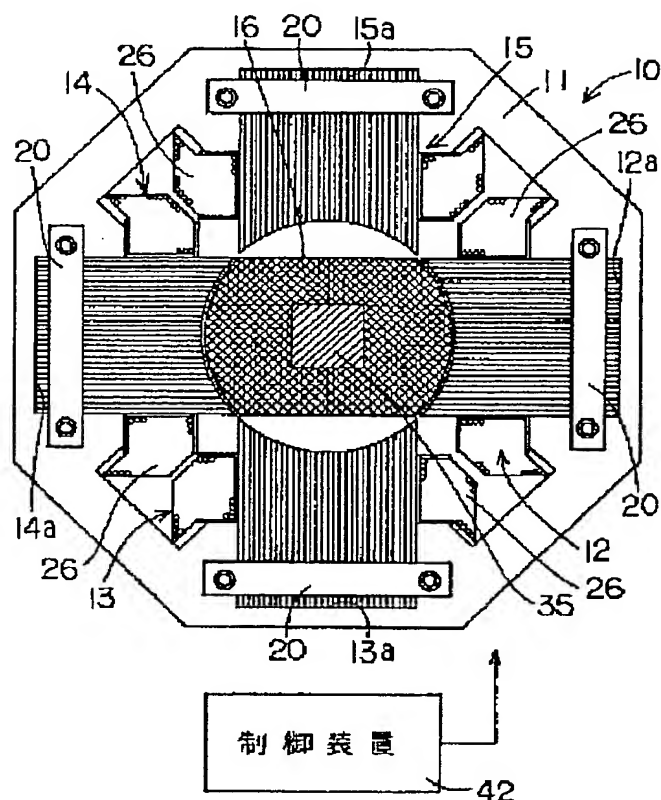
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INVENTOR : IMAMURA TORU;

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TITLE : ROTATING MACHINE



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a rotating machine capable of freely controlling the direction of rotation of a rotor and at the same time stopping the rotor at an arbitrary angle when used as an electric motor and further, generating a sine wave current when used as a generator.

**SOLUTION:** This rotating machine has a rotor 16 in which each magnetic pole generates a strong magnetic field making opposite poles in the parallel direction with a rotation axis 35 and also the polarity of the end part in the parallel direction with the rotation axis 35 of an adjacent magnetic pole in the circumferential direction is different and a plurality of stators 12 to 15 which are radially mounted so as to surround the rotor 16 and the cores of which respectively face parallel with the rotor 35.

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